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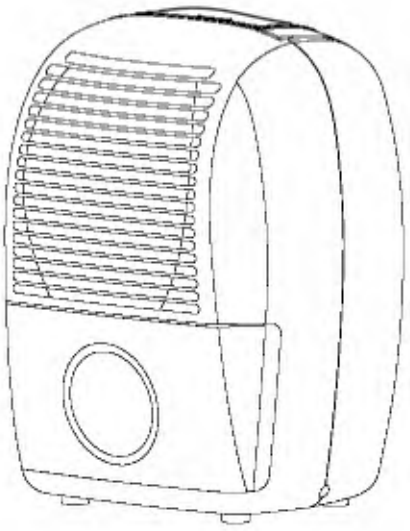
USERS MANUAL

T SERIES
DEHUMIDIFIER



Models
ECO12LDT
ECO20LDT

Read This Manual

Inside you will find many helpful hints on how to use and maintain your dehumidifier properly. Just a little preventative care on your part can save you a great deal of time and money over the life of your dehumidifier. You'll find many answers to common problems in the chart of troubleshooting tips. Review the chart of Troubleshooting Tips before calling your service engineer.

RESPONSIBLE DISPOSAL & RECYCLING

When your appliance reaches the end of its life, please dispose responsibly.

DO NOT: You must not dispose this appliance as unsorted waste or with your domestic household waste. Please observe local regulations for disposal..

- Most local authorities have specific collection systems for appliances where disposals are free of charge to the end user.
- When replacing an existing appliance with a new appliance, your retailer may take back the old appliance for disposal.

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To prevent injury to the user or other people and property damage, the following instructions must be followed. Incorrect operation due to ignoring of instructions may cause harm or damage.

■ The seriousness is classified by the following indications.

⚠ **WARNING**	This symbol indicates the possibility of death or serious injury.
⚠ **CAUTION**	This symbol indicates the possibility of injury or damage to property.

■ Meanings of symbols used in this manual are as shown below.

⃠	**Never do this.**
!	**Always do this.**

⚠ WARNING

⃠ Do not exceed the rating of the power outlet or connection device.
- Otherwise, it may cause electric shock or fire due to excess heat generation.

⃠ Do not operate or stop the unit by switching on or off the power.
- It may cause electric shock or fire due to heat generation.

⃠ Do not damage or use an unspecified power cord.
- It may cause electric shock or fire.

⃠ Do not modify power cord length or share the outlet with other appliances
- It may cause electric shock or fire due to heat generation.

⃠ Do not insert or pull out plug with wet hands.
- It may cause electric shock.

⃠ Do not place the unit near a heat source.
- Plastic parts may melt and cause a fire.

! Disconnect the power if strange sounds, smell, or smoke comes from it.
- It may cause fire and electric shock.

apart or repair the unit by yourself.
- It may cause failure of machine or electric shock.

! Before cleaning, turn off the power and unplug the unit.
- It may cause electrical shock or injury.

⃠ Do not use the machine near flammable gas or combustibles, such as gasoline, benzene, thinner, etc.
- It may cause an explosion or fire.

⃠ Do not drink or use the water drained from air conditioner.
- It contains contaminants and could make you sick.

⃠ Do not open the unit during operation.
- It may cause electric shock.

⚠ CAUTION

⃠ When using in closets or other small spaces, be sure to keep doors open.
- Lack of ventilation can cause overheating and fire.

⃠ Do not put in places where water may splash onto the unit.
- Water may enter the unit and degrade the insulation. It may cause an electric shock or fire.

! Place the unit on a level, sturdy section of the floor.
- If the unit falls over, it may cause water to spill and damage belongings, or cause electrical shock or fire.

⚠ CAUTION

⊘ Do not cover the intake or exhaust openings with cloths or towels.

- A lack of air flow can lead to overheating and fire.

ⓘ Care should be taken when using the unit in a room with the following persons:

- Infants, children, elderly people, and people not senstive to humidity.

⊘ Do not use in areas where chemicals are handled.

- This will cause the unit deterioration due to chemicals and solvents dissolved in the air.

ⓘ When the unit is to be cleaned, switch off, and turn off the circuit breaker.

- Do not clean unit when power is on as it may cause fire and electric shock, it may cause an injury.

⊘ Do not place heavy object on the power cord and take care so that the cord is not compressed.

- There is danger of fire or electric shock.

⊘ Do not climb up on or sit on the unit.

- You may be injured if you fall or if the unit falls over.

ⓘ Always insert the filters securely. Clean filter once every two weeks.

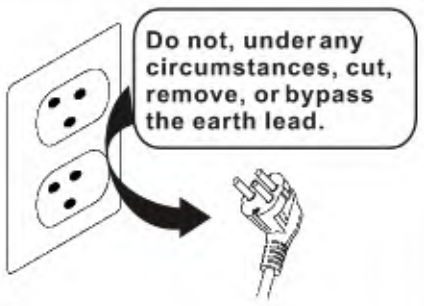
- Operation without filters may cause failure.

ⓘ If water enters the unit, turn the unit off and disconnect the power , contact a qualified service technician.

- It may cause failure of appliance or accident.

⊘ Do not place flower vases or other water container on top of the unit.

- Water may spill inside the unit, causing insulation failure and electrical shock or fire.



This unit is grounded through the power cord plug when plugged into a matching wall outlet.

Fig.1

Electrical Information

- The manufacture's nameplate is located on the rear panel of the unit and contains electrical and other technical data specific to this unit.
- The dehumidifier must be properly earthed. To minimize shock and fire hazards, proper earthing is important. The power cord is equipped with a three-pin plug for protection against shock hazards.
- Your dehumidifier must be used in a properly grounded wall receptacle. If the wall receptacle you intend to use is not adequately grounded or protected by a time delay fuse or circuit breaker, have a qualified electrician install the proper receptacle.
- Ensure the receptacle is accessible after the unit installation.
- **Do not use extension cords or an adapter plugs with this unit.** However, if it is necessary to use an extension cord, use a sufficiently rated extension and ensure cord is fully unwound to avoid heat build-up.
- To avoid the possibility of personal injury, always disconnect the power supply to the unit, before installing and/or servicing.

Wiring Instructions: Where it is necessary to change the plug, the wires in the mains lead must be coloured as follows :

BLUE - NEUTRAL
BROWN - LIVE
GREEN AND YELLOW - EARTH

The colours of the wires in the mains lead of this appliance may not necessarily correspond with the coloured markings identifying the terminals in your plug. As such please proceed as follows:

1. The **BLUE** wire is the **NEUTRAL** and must be connected to the terminal which is marked with the letter **N** or coloured **BLACK.**

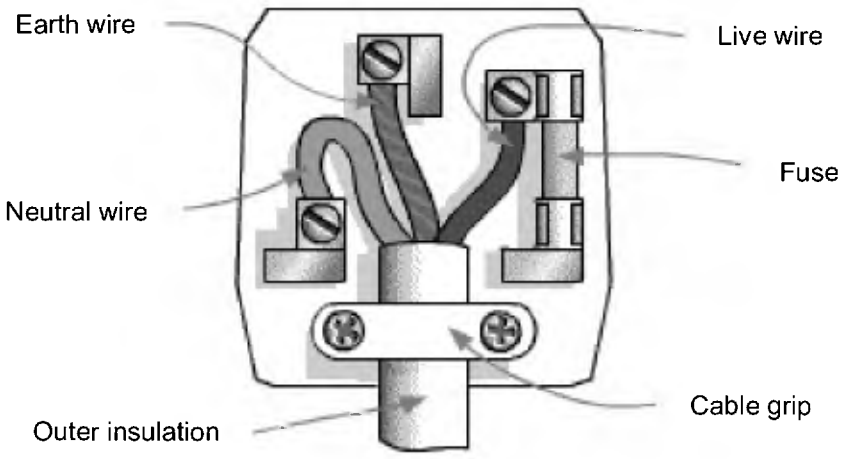
2. The **BROWN** wire is the **LIVE** and must be connected to the terminal which is marked with the letter **L** or coloured **RED.**

3. The **GREEN/YELLOW** is the **EARTH** and must be connected to the terminal which is marked with the letter **E** or or coloured **GREEN OR GREEN/YELLOW**.

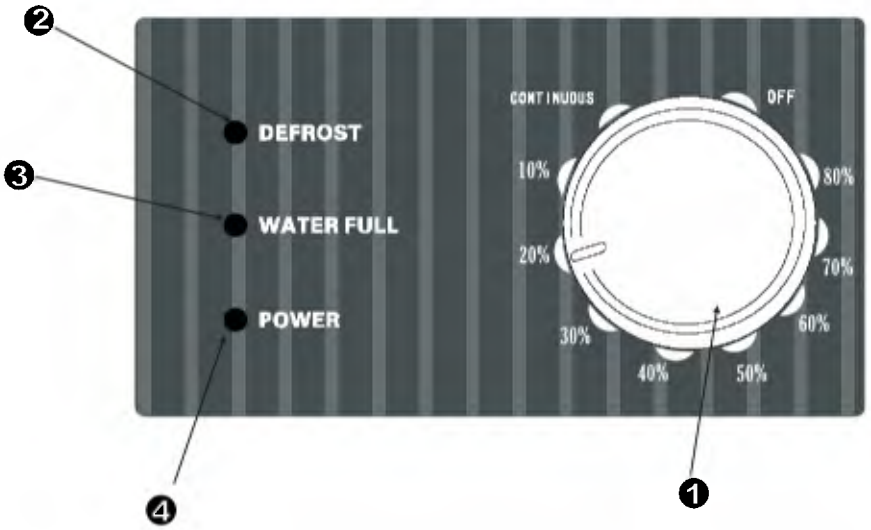
4. The cord grip must be positioned and fastened correctly.

If a 13A (BS 1363) fused plug is used it must be fitted with a 13A fuse. If in doubt consult a qualified electrician.

Wiring for a 13Amp Plug (BS1363)
Please note. The Earth Terminal is marked with the letter **E** or Earth Symbol.



❶ Humidity selector
❷ Defrosting indicator light
❸ Bucket full indicator light
❹ Power on indicator light



Control Panel

❶ Humidity Selector

- The humidity level can be set within a range of 10%RH(Relative Humidity) to 80%RH(Relative Humidity).
- For drier air, rotate the Selector clockwise for a lower percent value(%).
- For damper air, rotate the Selector counter clockwise for a higher percent value(%).
- When set the selctor to CONTINUE position, the dehumidifier will operate continuously for maximum dehumidification until the tank is full.
- To turn off the unit, rotate the selector to the OFF position.

❷ Defrosting indicator light

This indicator light illuminates when frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

❸ Power on indicator light

This indicator light illuminates when connect to the power. And flashes at 5Hz under temperature sensor malfunction.

❹ Bucket full indicator light

This indicator light illuminates when the bucket is full. After empty the bucket and replace in the proper position, this light turns off.

Other features

Bucket Full Light

Glows when the bucket is ready to be emptied, or when the bucket is removed or not replaced in the proper position.

Auto Shut Off

The water level control switch shuts off the dehumidifier when the bucket is full, or when the bucket is removed or not replaced in the proper position. The dehumidifier will be auto shut off when the setting dehumidity is reached.

Auto Defrost

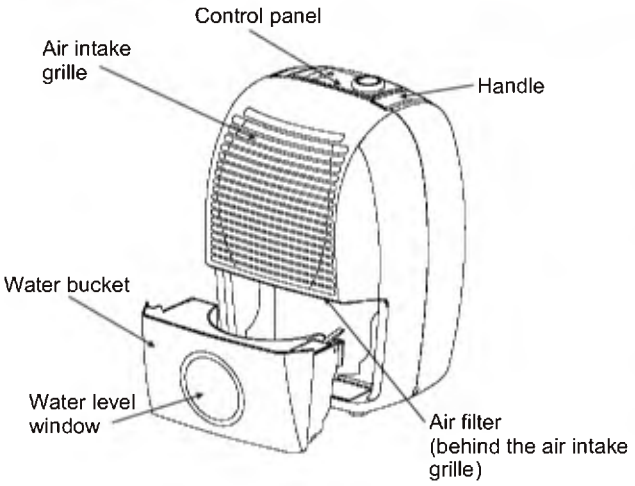
When frost builds up on the evaporator coils, the compressor will cycle off and the fan will continue to run until the frost disappears.

Power Outage

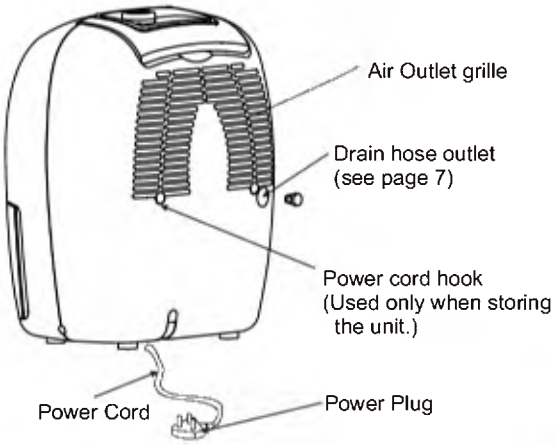
In the case of a power outage or interruption, the unit will automatically re-start, in the settings last used, after the power is restored.

Identification of parts

Front



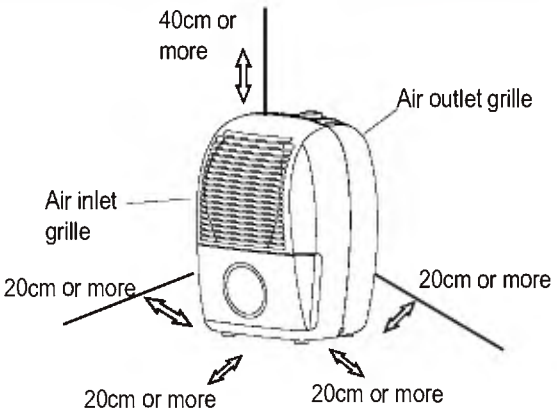
Rear



Positioning the unit

A dehumidifier operating in a basement will have little or no effect in drying an adjacent enclosed storage area, such as a closet, unless there is adequate circulation of air in and out of the area.

- Do not use outdoors.
- This dehumidifer is intended of indoor residential applications only. This dehumidifier should not be used for commercial or industrial applications.
- Place the dehumidifier on a smooth, level floor strong enough to support the unit with a full bucket of water.
- Allow at least 20cm of air space on all sides of the unit for good air circulation.
- Place the unit in an area where the temperature will not fall below 5°C(41°F). The coils can become covered with frost at temperatures below 5°C(41°F), which may reduce performance.
- Place the unit away from the clothes dryer, heater or radiator.
- Use the unit to prevent moisture damage anywhere books or valuables are stored.
- Use the dehumidifier in a basement to help prevent moisture damage.
- The dehumidifier must be operated in an enclosed area to be most effective.
- Close all doors, windows and other outside openings to the room.



Using the unit

- When first using the dehumidifier, operate the unit continuously 24 hours.
- This unit is designed to operate with a working environment between 5°C and 35°C.
- If the unit has been switched off and needs to be switched on again quickly, allow approximately three minutes for the correct operation to resume.
- Do not connect the dehumidifier to a multiple socket outlet, which is also being used for other electrical appliances.
- Select a suitable location, making sure you have easy access to an electrical outlet.
- Plug the unit into a 115V~ 60Hz/220~240V 50Hz(Refer to the nameplate located on the side/rear of the unit) electrical socket-outlet with earth connection.
- Make sure the bucket is correctly fitted otherwise the unit will not operate properly.

Emptying the water tank

There are two ways to remove collected water.

1. Use the bucket

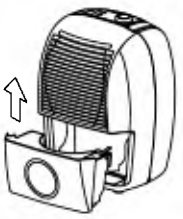
- When the bucket is full, the unit will automatically stop running, and the Full indicator light will illuminate.
- Slowly pull out the bucket. Grip the left and right handles securely, and carefully pull out straight so water does not spill. Do not put the bucket on the floor because the bottom of the bucket is uneven. Otherwise the bucket will fall and cause the water to spill.
- Throw away the water and replace the bucket. The bucket must be in place and securely seated for the dehumidifier to operate.
- The machine will re-start when the bucket is restored in its correct position.

NOTES:

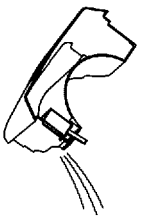
- When you remove the bucket, do not touch any parts inside of the unit. Doing so may damage the product.
- Be sure to push the bucket gently all the way into the unit. Banging the bucket against anything or failing to push it in securely may cause the unit not to operate.

1. Pull out the bucket a little.

2. Hold both sides of the bucket with even strength, and pull it out from the unit.



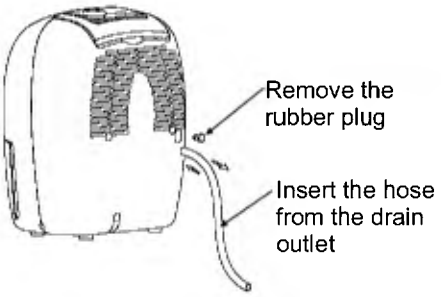
3. Pour the water out.



2. Continuous draining

Water can be automatically emptied into a floor drain by attaching the unit with a water hose (Φ12mm) (not included).

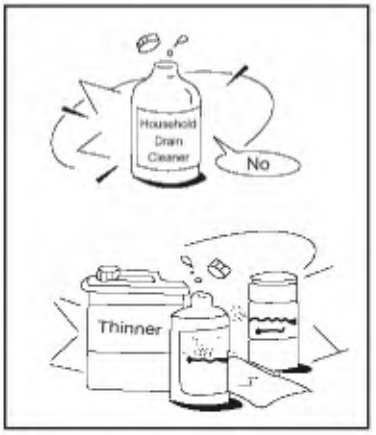
- Remove the rubber plug from the back of the unit and store it in a safe location.
- Insert the water hose into the unit from the drain outlet in the back of the unit as shown in the right picture. Then lead the water hose to the floor drain or a suitable drainage facility.



NOTE: When the continuous drain feature is not being used, remove the drain hose from the outlet and attach the rubber plug back to the drain outlet.

Care and cleaning of the dehumidifier

Turn the dehumidifier off and remove the plug from the wall outlet before cleaning.



1. Clean the Grille and Case

- Use water and a mild detergent. Do not use bleach or abrasives.
- Do not splash water directly onto the main unit. Doing so may cause an electrical shock, cause the insulation to deteriorate, or cause the unit to rust.
- The air intake and outlet grilles get soiled easily, so use a vacuum attachment or brush to clean.

2. Clean the bucket

Every few weeks, clean the bucket to prevent growth of mold, mildew and bacteria. Partially fill the bucket with clean water and add a little mild detergent. Swish it around in the bucket, empty and rinse.
NOTE: Do not use a dishwasher to clean the bucket. After clean, the bucket must be in place and securely seated for the dehumidifier to operate.

3. Clean the air filter

The air filter behind the front grille should be checked and cleaned at least every 30 days or more often if necessary.
NOTE: DO NOT RINSE OR PUT THE FILTER IN AN AUTOMATIC DISHWASHER.

To remove:

- Pull the water bucket out as shown in Fig.A.
- Grasp the lower side of the filter and pull it downward, see Fig.B.
  Clean the filter with warm, soapy water. Rinse and let the filter dry before replacing it. Do not clean the filter in a dishwasher.

To attach:
Insert the air filter into the unit from the side and push it upward. See Fig.C

- **CAUTION:**
  DO NOT operate the dehumidifier without a filter because dirt and lint will clog it and reduce performance.

Fig. A

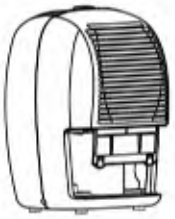


Fig. B

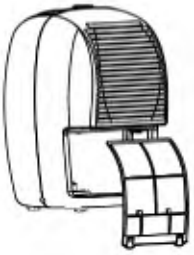
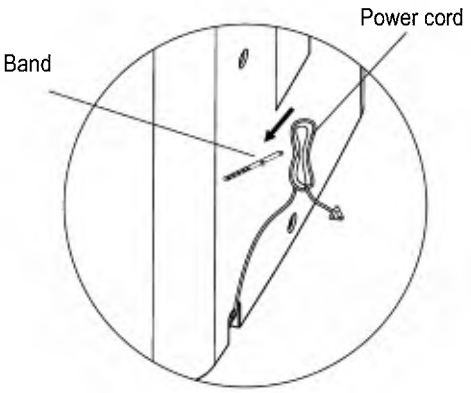


Fig. C

4. When not using the unit for long time periods

- After turning off the unit, wait one day before emptying the tank.
- Clean the main unit, bucket and air filter.
- Wrape the cord and bundle it with the band.
- Cover the unit with a plastic bag.
- Store the unit upright in a dry, well-ventilated place.



Before calling for service, review the chart below first yourself.

Problem	What to check
Unit does not start	● Make sure the dehumidifier's plug is pushed completely into the outlet. ● Check the house fuse/circuit breaker box. ● Dehumidifier has reached its preset level or bucket is full. ● Bucket is not in the proper position.
Dehumidifier does not dry the air as it should	● Did not allow enough time to remove the moisture. ● Make sure there are no curtains, blinds or furniture blocking the front or back of the dehumidifier. ● The humidity selector may not be set low enough. ● Check that all doors, windows and other openings are securely closed. ● Room temperature is too low, below 5°C(41°F). ● There is a kerosene heater or something giving off water vapor in the room.
The unit makes a loud noise when operating	● The air filter is clogged. ● The unit is tilted instead of upright as it should be. ● The floor surface is not level.
Frost appears on the coils	● This is normal. The unit has Auto defrost feature.
Water on floor	● Hose to connector or hose connection may be loose. ● Intend to use the bucket to collect water, but the back drain plug is removed.
Power indicator light flashes at 5Hz	● Temperature sensor error. Unplug the unit and plug it back in. If error repeats, call for service.

ONE (1)YEAR LIMITED WARRANTY
Save This Warranty Information

EcoAir guarantees this product free from defects in materials and workmanship for a period of one (1) year from the date of purchase.

This unit must be operated under conditions as recommended, at voltages indicated on the unit. Any attempts made to service or modify the unit, will render this **WARRANTY VOID**. The actual product may differ slightly from the illustration. This warranty is in addition to, and does not affect, your statutory rights.

For further information, please contact 020 8459 2458.

This product has been manufactured to comply with the EEC Directives 73/23/EEC and 89/336/EEC.

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